

"Made available under NASA sponsorship
in the interest of early and wide dis-
semination of Earth Resources Survey
Program information and without liability
for any use made thereof."

PICTURED
NASA SRI FACILITY
ACQ. BR. *field*
MARCH 5 1976

DOAF# *1010134*
4 2 3 4

TITLE OF INVESTIGATION: 28990, INVESTIGATION OF ENVIRONMENTAL
CHANGE PATTERN IN JAPAN

PRINCIPAL INVESTIGATOR: DR. TAKAKAZU MARUYASU
SCIENCE UNIVERSITY OF TOKYO
NODA CITY, BHIBA-KEN, 278, JAPAN

CO-INVESTIGATOR: KIYOSHI TSUCHIYA

NATIONAL SPACE DEVELOPMENT AGENCY
OF JAPAN
2-4-1, HAMAMATSUCHO, MINATO-

DATE OF SUBMISSION: JAN. 31, 1976

QUARTERLY PROGRESS REPORT FOR PERIOD
OCT. - DEC. 1975

NAME AND ADDRESS OF
NATIONAL SPONSORING

AGENCY : SCIENCE AND TECHNOLOGY AGENCY
KASUMIGASEKI 2-2-1, CHIYODA-KU
TOKYO, 100, JAPAN

(E76-10175) INVESTIGATION OF ENVIRONMENTAL
CHANGE PATTERN IN JAPAN: APPLICATION OF
LANDSAT-2 DATA FOR UNDERSTANDING
ENVIRONMENTAL CHANGES IN THE COASTAL AND OF
SHORE ZONE Quarterly (Science Univ. of

N76-18596
HC \$3.50

G3/43 00175
Unclass

(QUARTERLY PROGRESS REPORT)

APPLICATION OF LANDSAT-2 DATA FOR UNDERSTANDING ENVIRONMENTAL
CHANGES IN THE COASTAL AND OFFSHORE ZONE

KIYOSHI TSUCHIYA

National Space Development Agency of Japan, 2-4-1, Hamamatsucho,
Minato-ku, Tokyo, 105, Japan

During the period of Oct. to Dec. 1975 all the received scenes were carefully studied. It is found that only one scene observed on Sep. 17 1975 covering central Japan including Ise Bay and its surroundings can be used for the research.

The order form requesting the MT was sent. Since the MT has not arrived yet it has not been possible to go further. In the meantime in cooperation with T. Iwata and H. Nakamura of National Space Development Agency of Japan a computer program for statistical analysis of LANDSAT MSS data has been completed. The test run was made using LANDSAT-I MT covering the same area. One of the outputs, frequency distribution of radiance in digital counts for several selected sample areas is shown in Fig. 1 (a) and (b).

Fig. 1 (a)

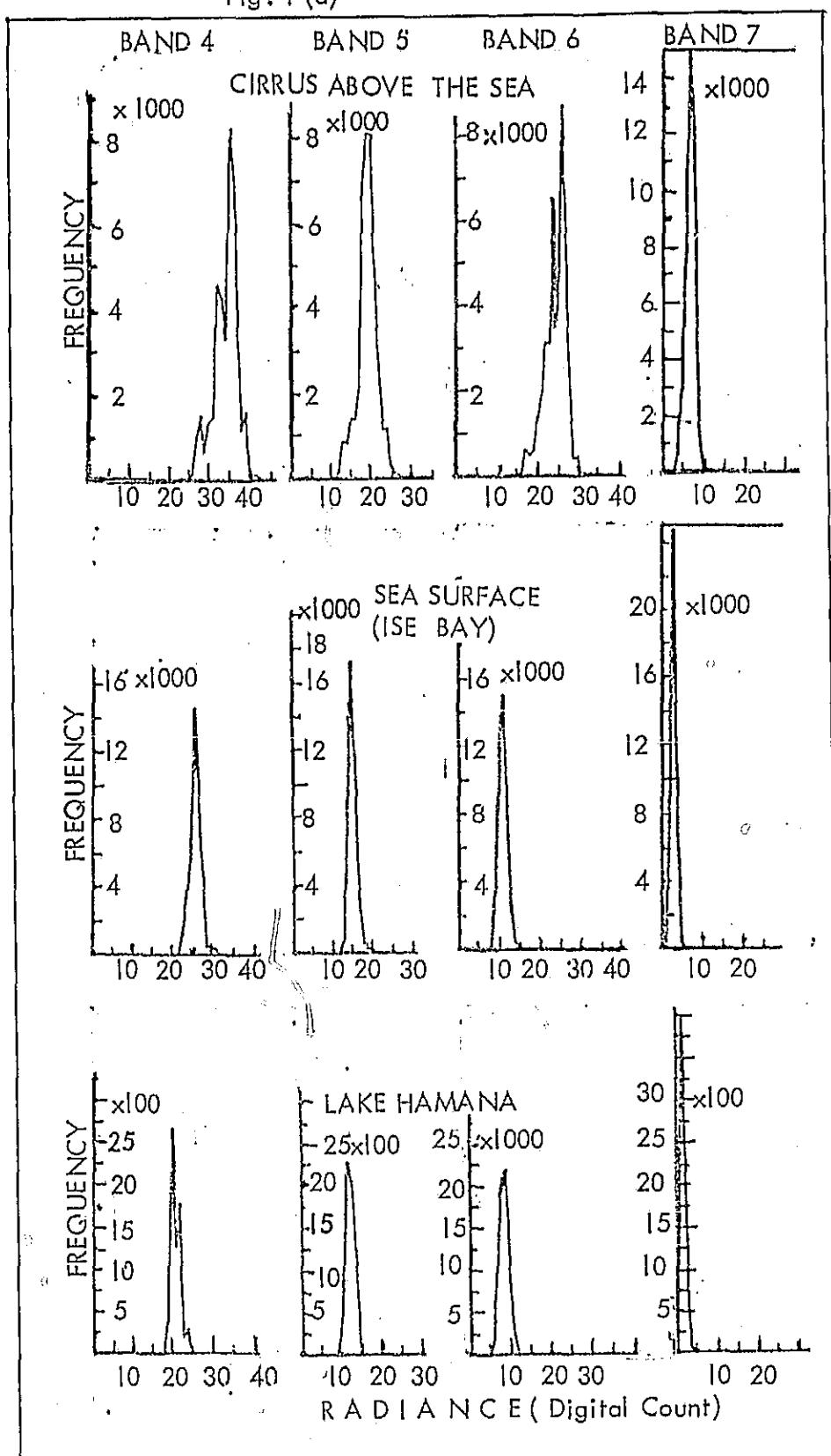


Fig. 1 (b)

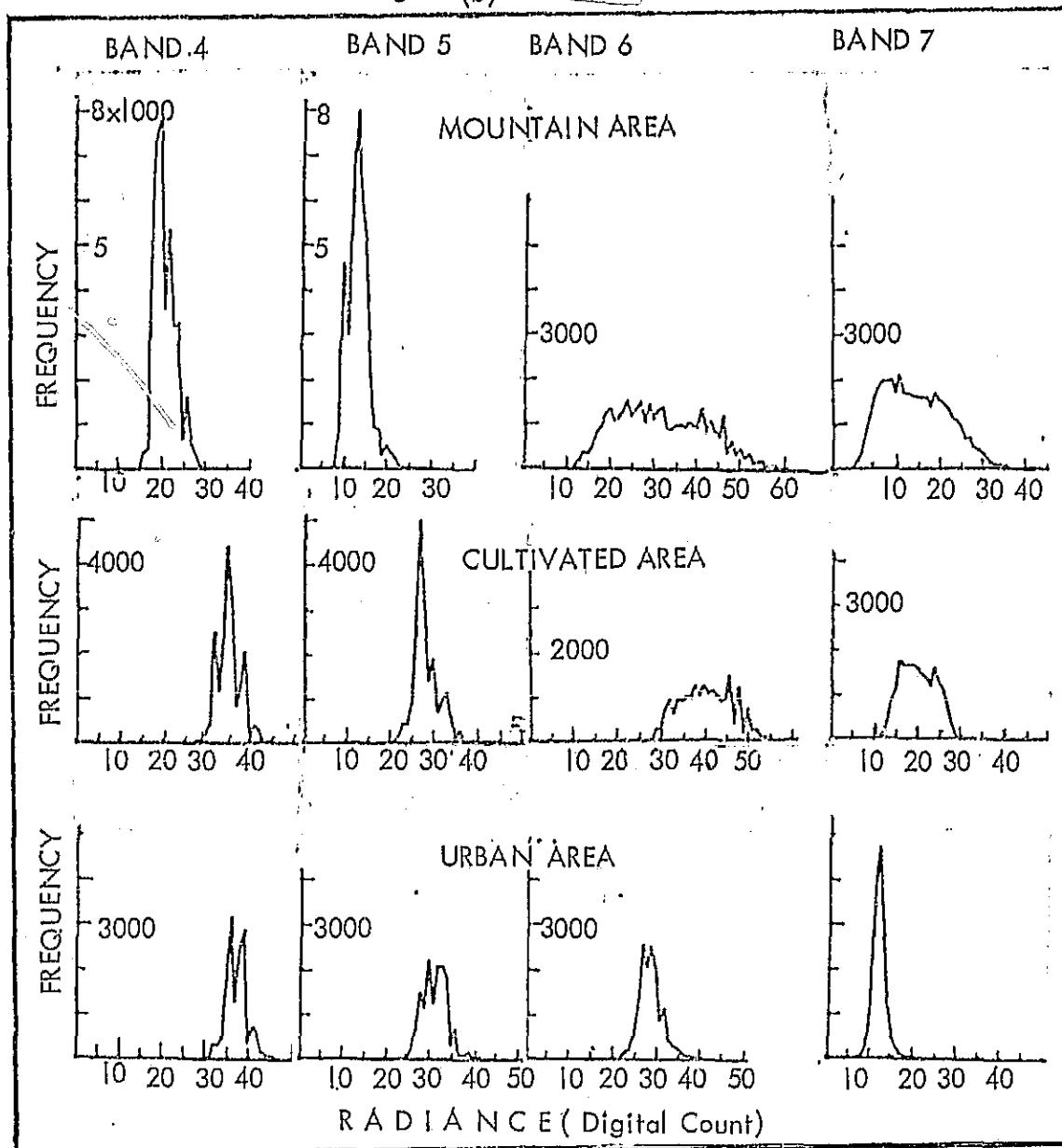


Fig. 1 (a) and (b) Frequency of radiance (digital counts) in several selected sample areas in Central Japan. The MT used is LANDSAT -I, Oct 5 1972.